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PATENT & TRADEMARK OFFICE

FIG. 1

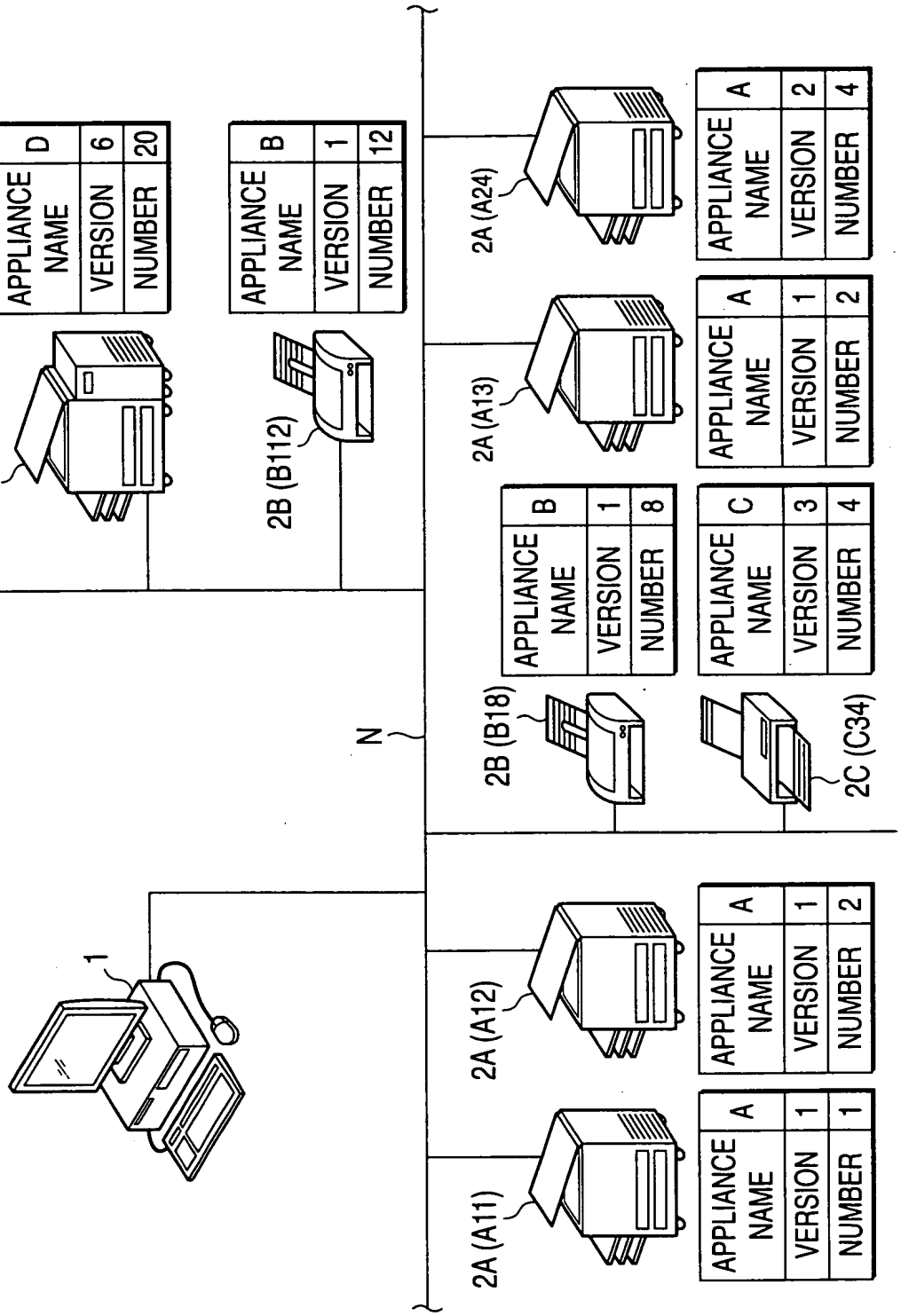


FIG. 2

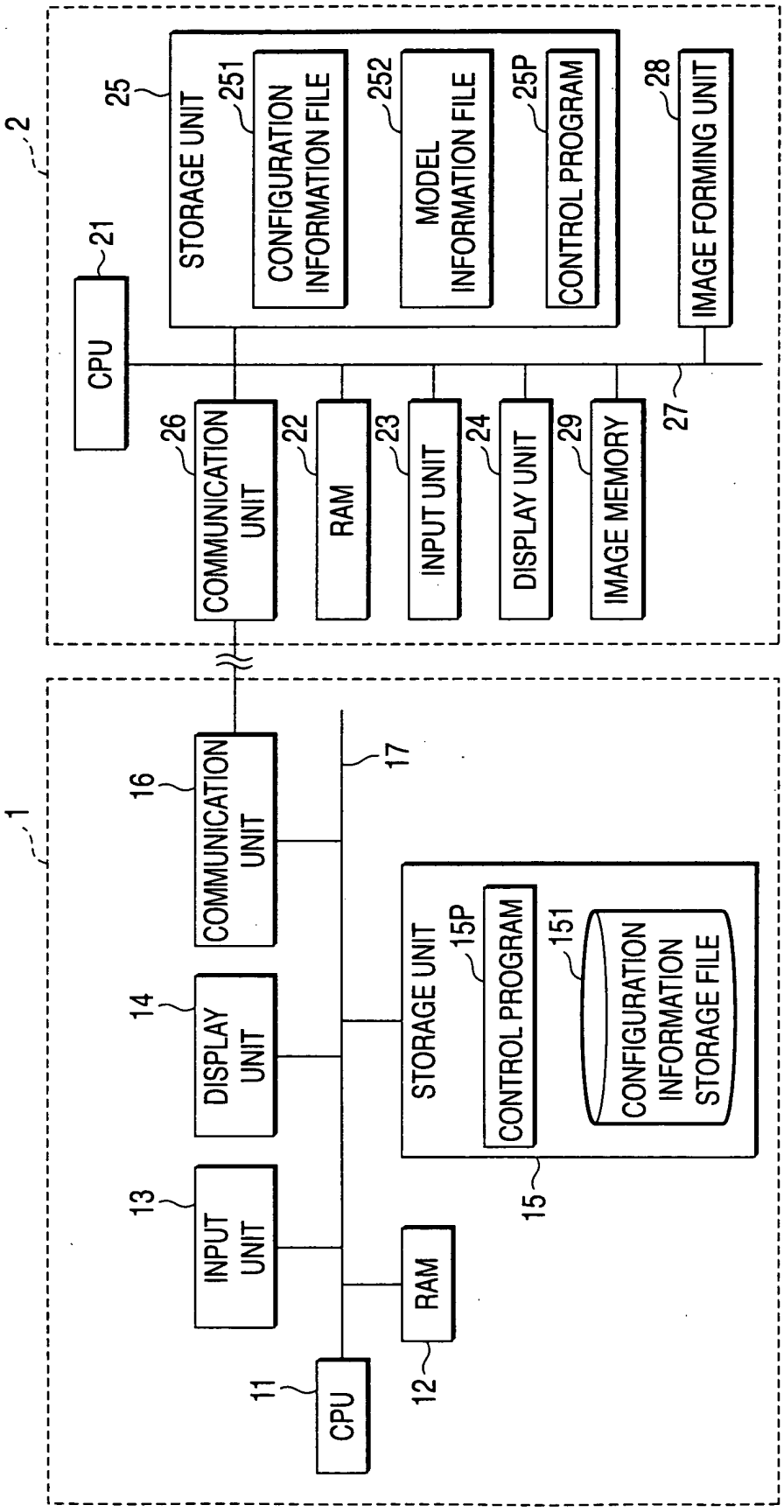

1
2
CPU
11
RAM
12
INPUT UNIT
13
DISPLAY UNIT
14
STORAGE UNIT
15
CONTROL PROGRAM
15P
CONFIGURATION INFORMATION STORAGE FILE
151
COMMUNICATION UNIT
16
17
CPU
21
STORAGE UNIT
25
CONFIGURATION INFORMATION FILE
251
MODEL INFORMATION FILE
252
CONTROL PROGRAM
25P
IMAGE FORMING UNIT
28
COMMUNICATION UNIT
26
RAM
22
INPUT UNIT
23
DISPLAY UNIT
24
IMAGE MEMORY
29
27

FIG. 3

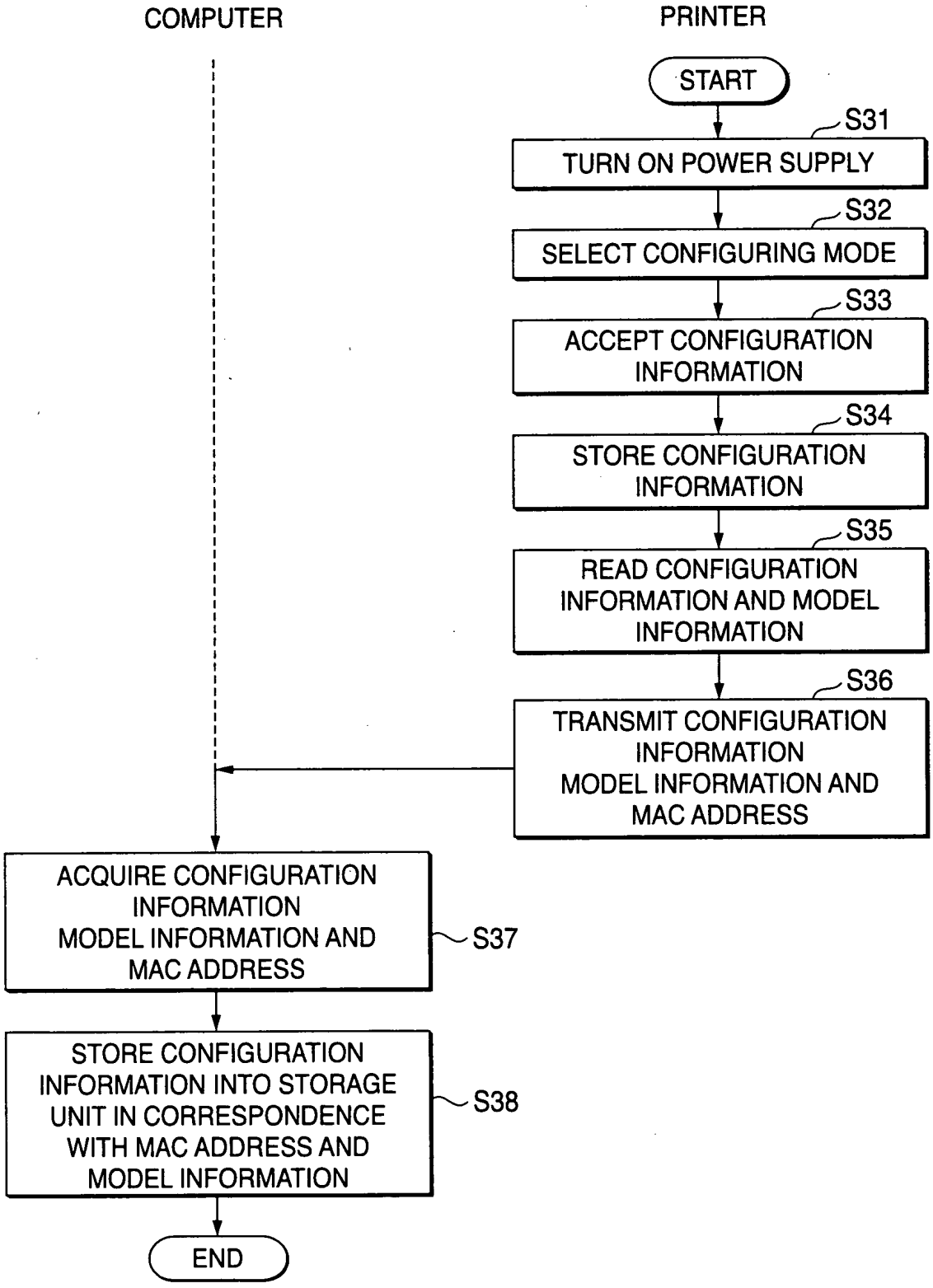

COMPUTER
PRINTER
START
S31
TURN ON POWER SUPPLY
S32
SELECT CONFIGURING MODE
S33
ACCEPT CONFIGURATION INFORMATION
S34
STORE CONFIGURATION INFORMATION
S35
READ CONFIGURATION INFORMATION AND MODEL INFORMATION
S36
TRANSMIT CONFIGURATION INFORMATION MODEL INFORMATION AND MAC ADDRESS
ACQUIRE CONFIGURATION INFORMATION MODEL INFORMATION AND MAC ADDRESS
S37
STORE CONFIGURATION INFORMATION INTO STORAGE UNIT IN CORRESPONDENCE WITH MAC ADDRESS AND MODEL INFORMATION
S38
END

FIG. 4

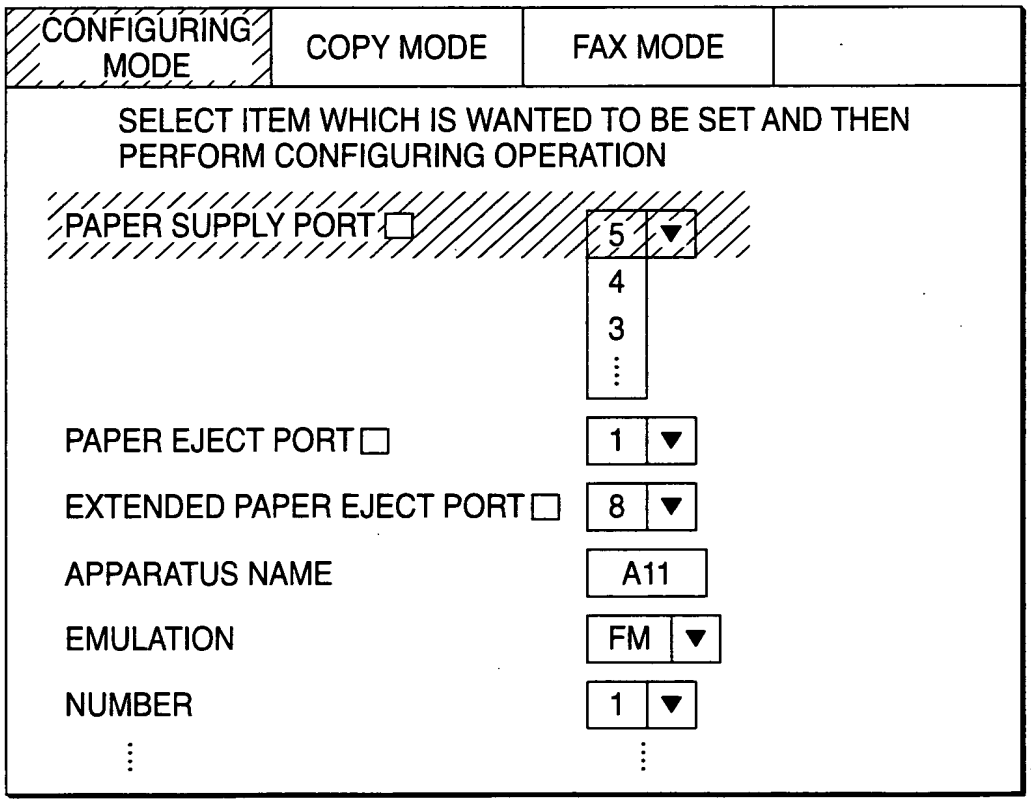

CONFIGURING MODE
COPY MODE
FAX MODE
SELECT ITEM WHICH IS WANTED TO BE SET AND THEN PERFORM CONFIGURING OPERATION
PAPER SUPPLY PORT
5
4
3
PAPER EJECT PORT
1
EXTENDED PAPER EJECT PORT
8
APPARATUS NAME
A11
EMULATION
FM
NUMBER
1

FIG. 5

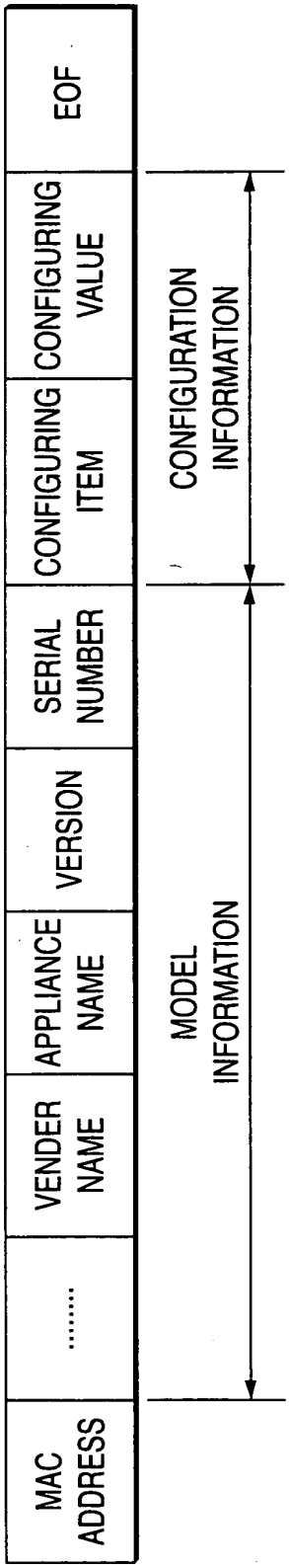

MAC ADDRESS
.....
VENDER NAME
APPLIANCE NAME
VERSION
SERIAL NUMBER
CONFIGURING ITEM
CONFIGURING VALUE
EOF
MODEL INFORMATION
CONFIGURATION INFORMATION

FIG. 6

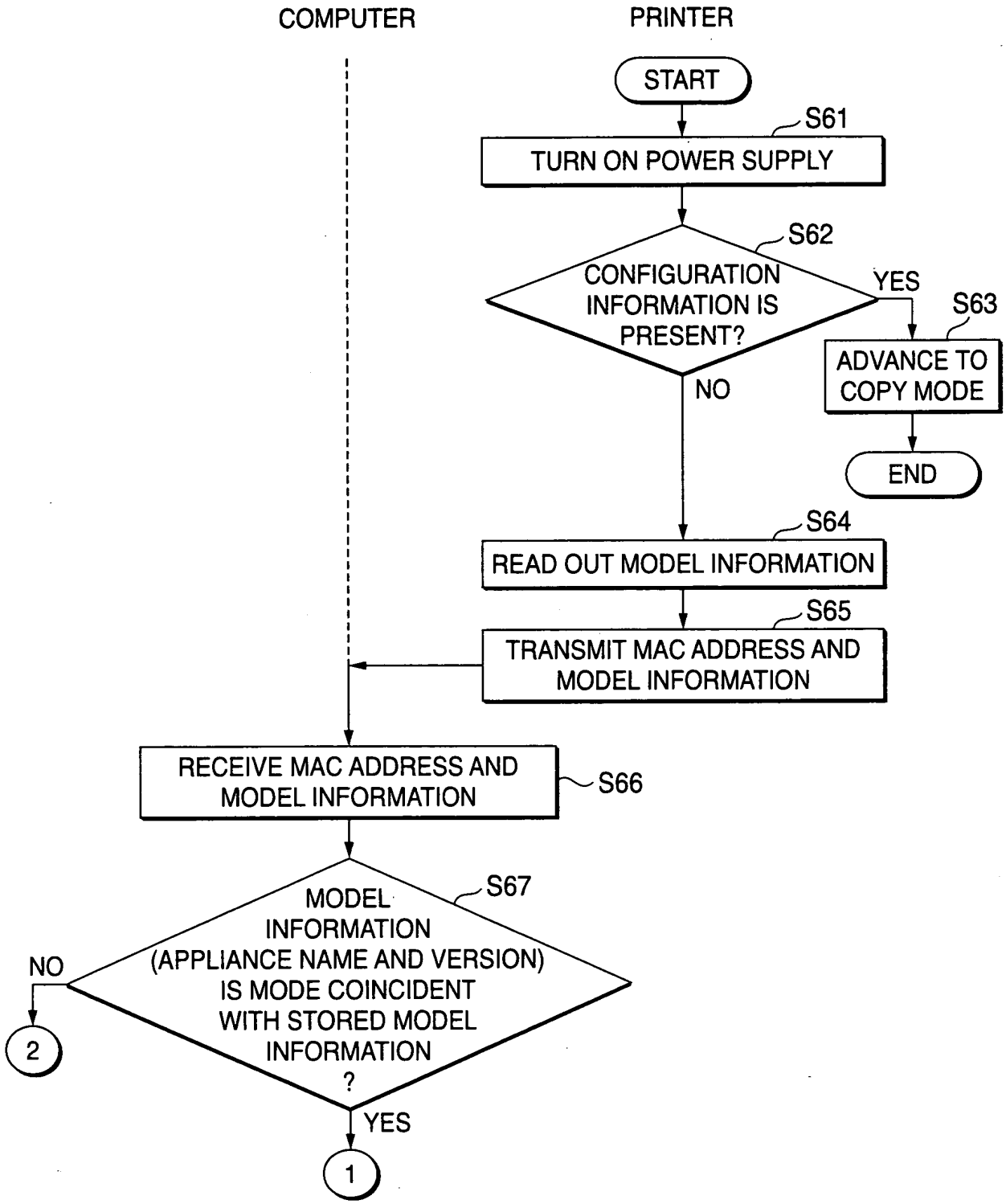

COMPUTER
PRINTER
START
S61
TURN ON POWER SUPPLY
S62
CONFIGURATION INFORMATION IS PRESENT?
YES
S63
ADVANCE TO COPY MODE
END
NO
S64
READ OUT MODEL INFORMATION
S65
TRANSMIT MAC ADDRESS AND MODEL INFORMATION
RECEIVE MAC ADDRESS AND MODEL INFORMATION
S66
S67
MODEL INFORMATION (APPLIANCE NAME AND VERSION) IS MODE COINCIDENT WITH STORED MODEL INFORMATION ?
NO
2
YES
1

FIG. 7

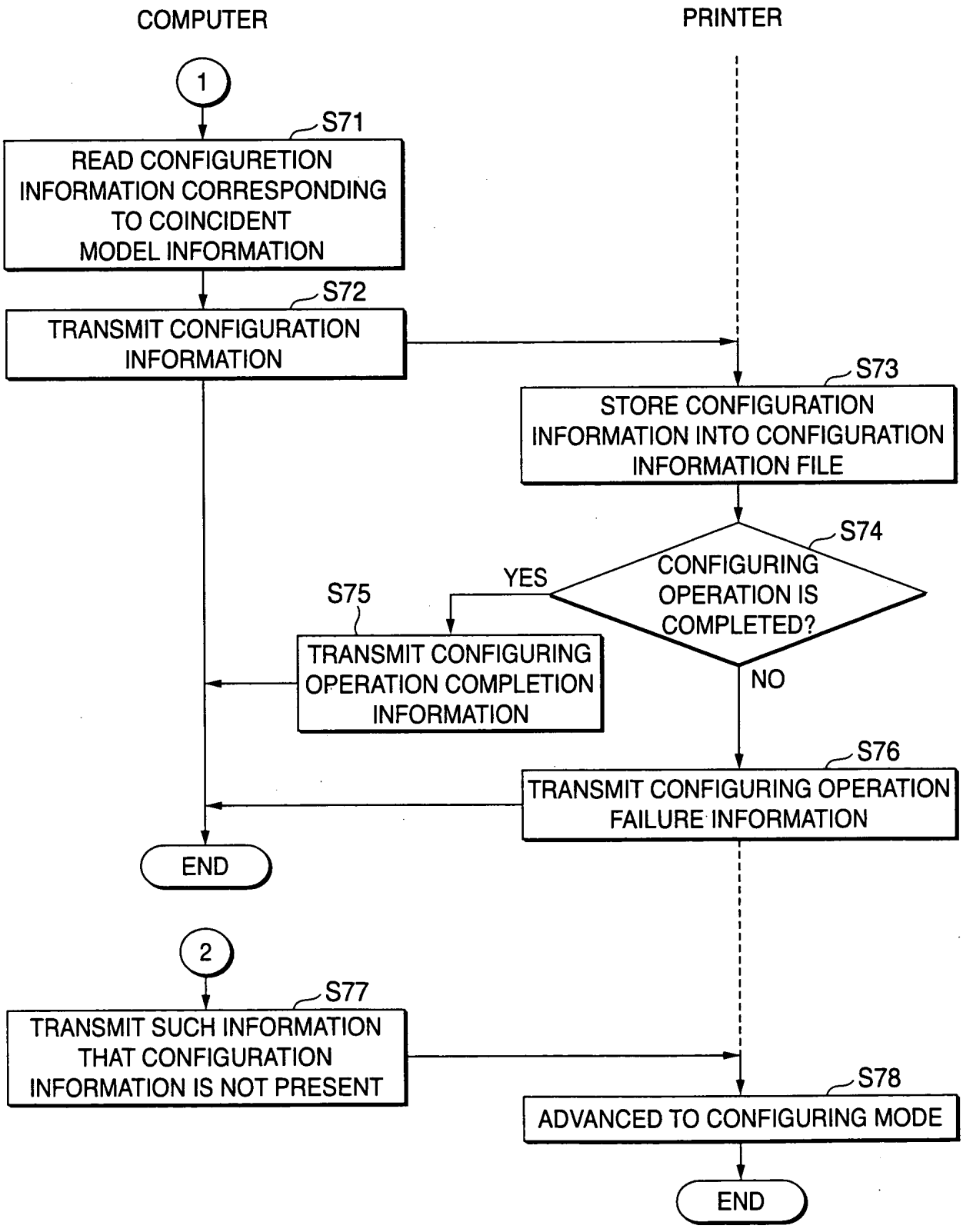

COMPUTER
PRINTER
1
S71
READ CONFIGURETION INFORMATION CORRESPONDING TO COINCIDENT MODEL INFORMATION
S72
TRANSMIT CONFIGURATION INFORMATION
S73
STORE CONFIGURATION INFORMATION INTO CONFIGURATION INFORMATION FILE
S74
CONFIGURING OPERATION IS COMPLETED?
YES
NO
S75
TRANSMIT CONFIGURING OPERATION COMPLETION INFORMATION
S76
TRANSMIT CONFIGURING OPERATION FAILURE INFORMATION
END
2
S77
TRANSMIT SUCH INFORMATION THAT CONFIGURATION INFORMATION IS NOT PRESENT
S78
ADVANCED TO CONFIGURING MODE
END

FIG. 8

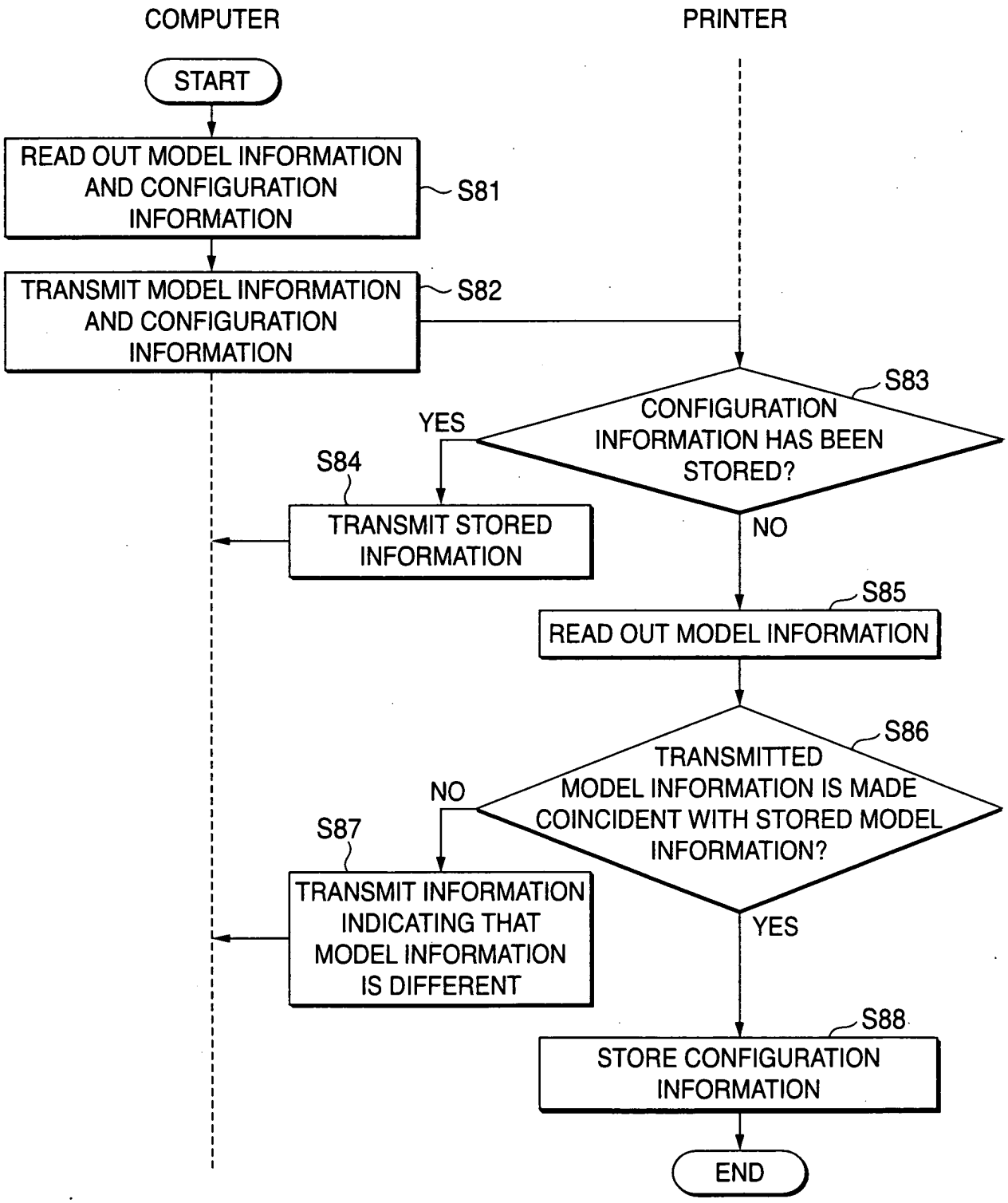

COMPUTER
PRINTER
START
READ OUT MODEL INFORMATION AND CONFIGURATION INFORMATION
S81
TRANSMIT MODEL INFORMATION AND CONFIGURATION INFORMATION
S82
S83
CONFIGURATION INFORMATION HAS BEEN STORED?
YES
S84
TRANSMIT STORED INFORMATION
NO
S85
READ OUT MODEL INFORMATION
S86
TRANSMITTED MODEL INFORMATION IS MADE COINCIDENT WITH STORED MODEL INFORMATION?
NO
S87
TRANSMIT INFORMATION INDICATING THAT MODEL INFORMATION IS DIFFERENT
YES
S88
STORE CONFIGURATION INFORMATION
END

FIG. 9

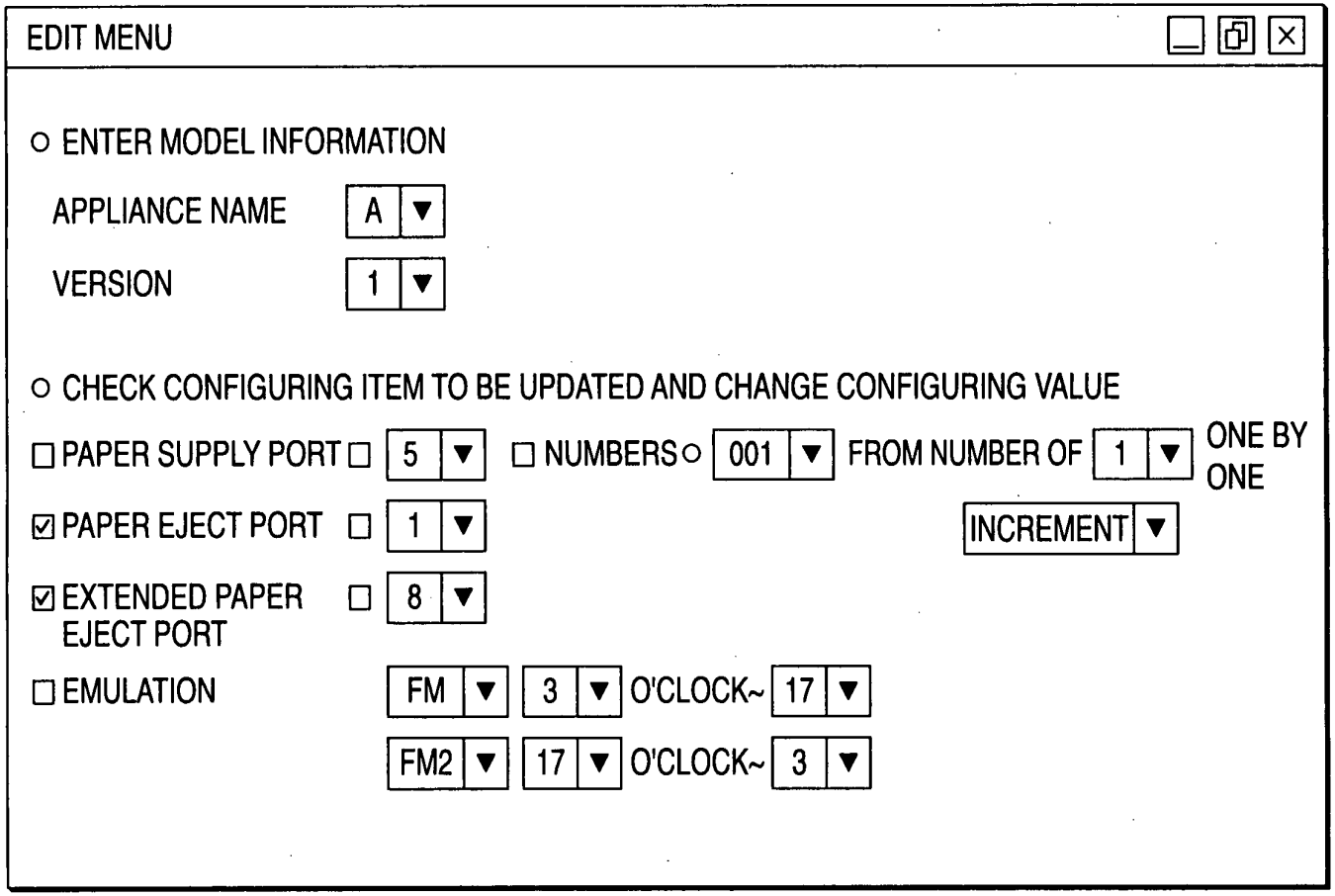

EDIT MENU
○ ENTER MODEL INFORMATION
APPLIANCE NAME
A
VERSION
1
○ CHECK CONFIGURING ITEM TO BE UPDATED AND CHANGE CONFIGURING VALUE
☐ PAPER SUPPLY PORT
☐ 5
☐ NUMBERS
○ 001
FROM NUMBER OF
1
ONE BY ONE
☑ PAPER EJECT PORT
☐ 1
INCREMENT
☑ EXTENDED PAPER EJECT PORT
☐ 8
☐ EMULATION
FM
3
O'CLOCK~
17
FM2
17
O'CLOCK~
3

FIG. 10

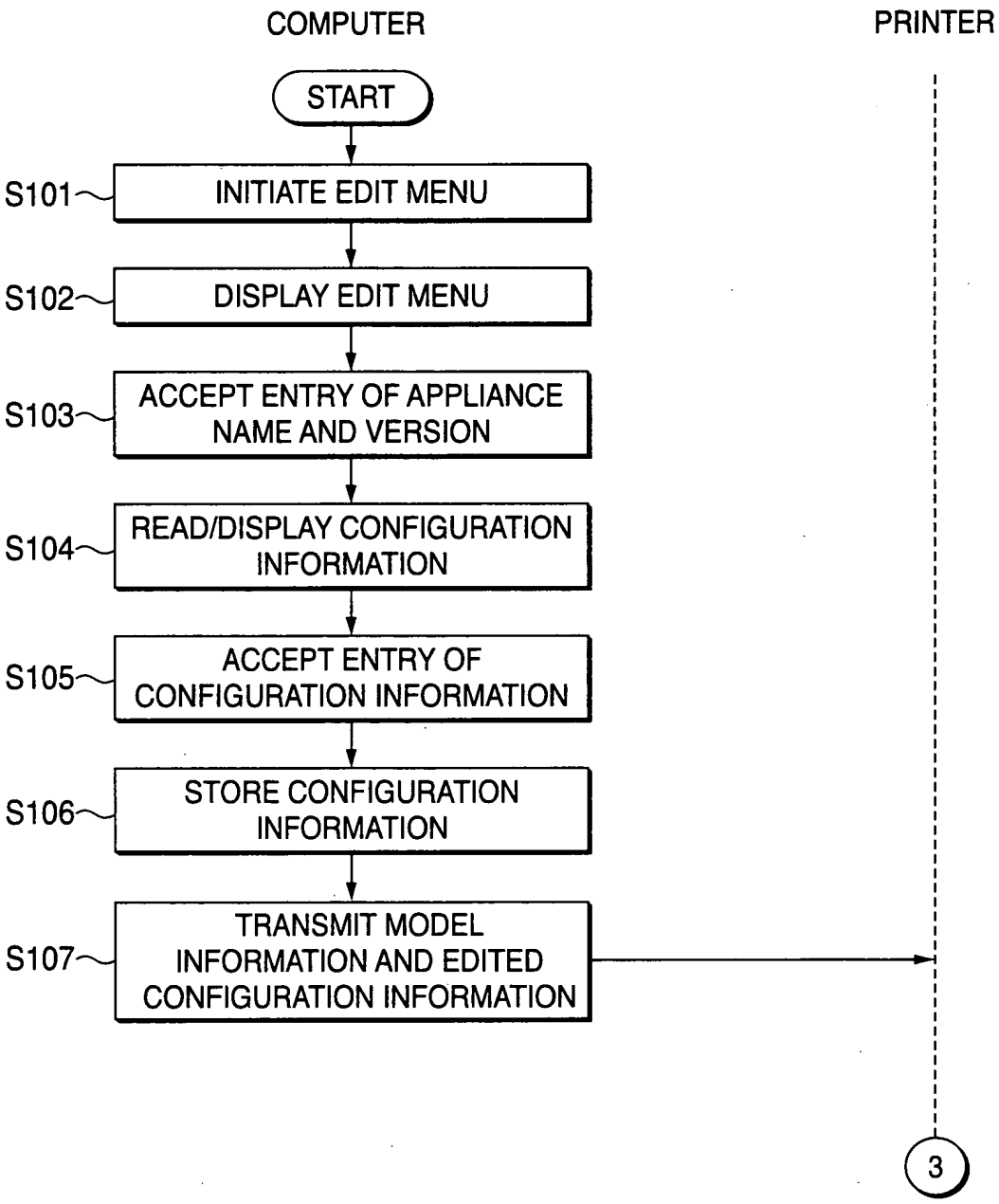

COMPUTER
PRINTER
START
S101
INITIATE EDIT MENU
S102
DISPLAY EDIT MENU
S103
ACCEPT ENTRY OF APPLIANCE NAME AND VERSION
S104
READ/DISPLAY CONFIGURATION INFORMATION
S105
ACCEPT ENTRY OF CONFIGURATION INFORMATION
S106
STORE CONFIGURATION INFORMATION
S107
TRANSMIT MODEL INFORMATION AND EDITED CONFIGURATION INFORMATION
3

FIG. 11

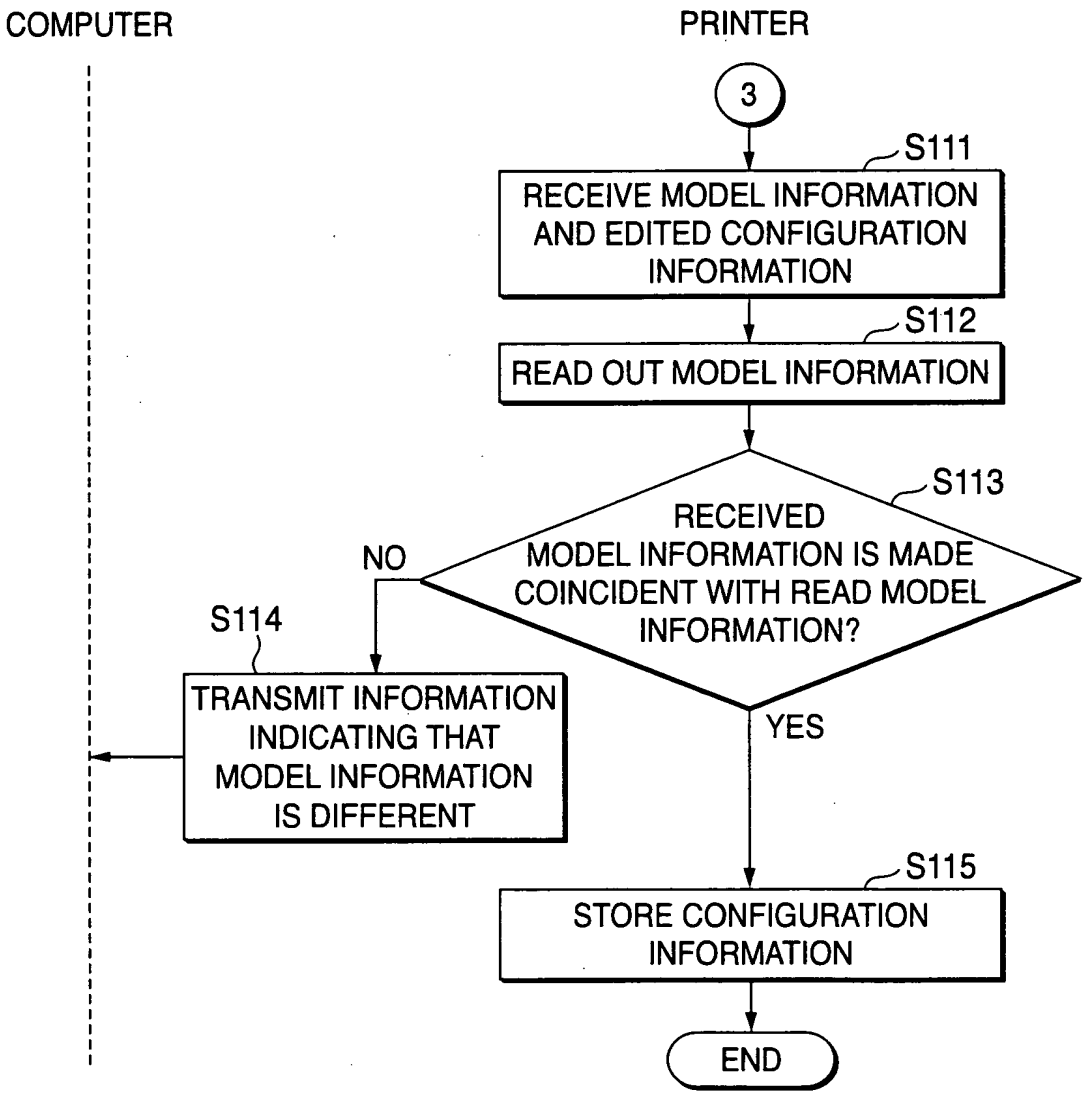
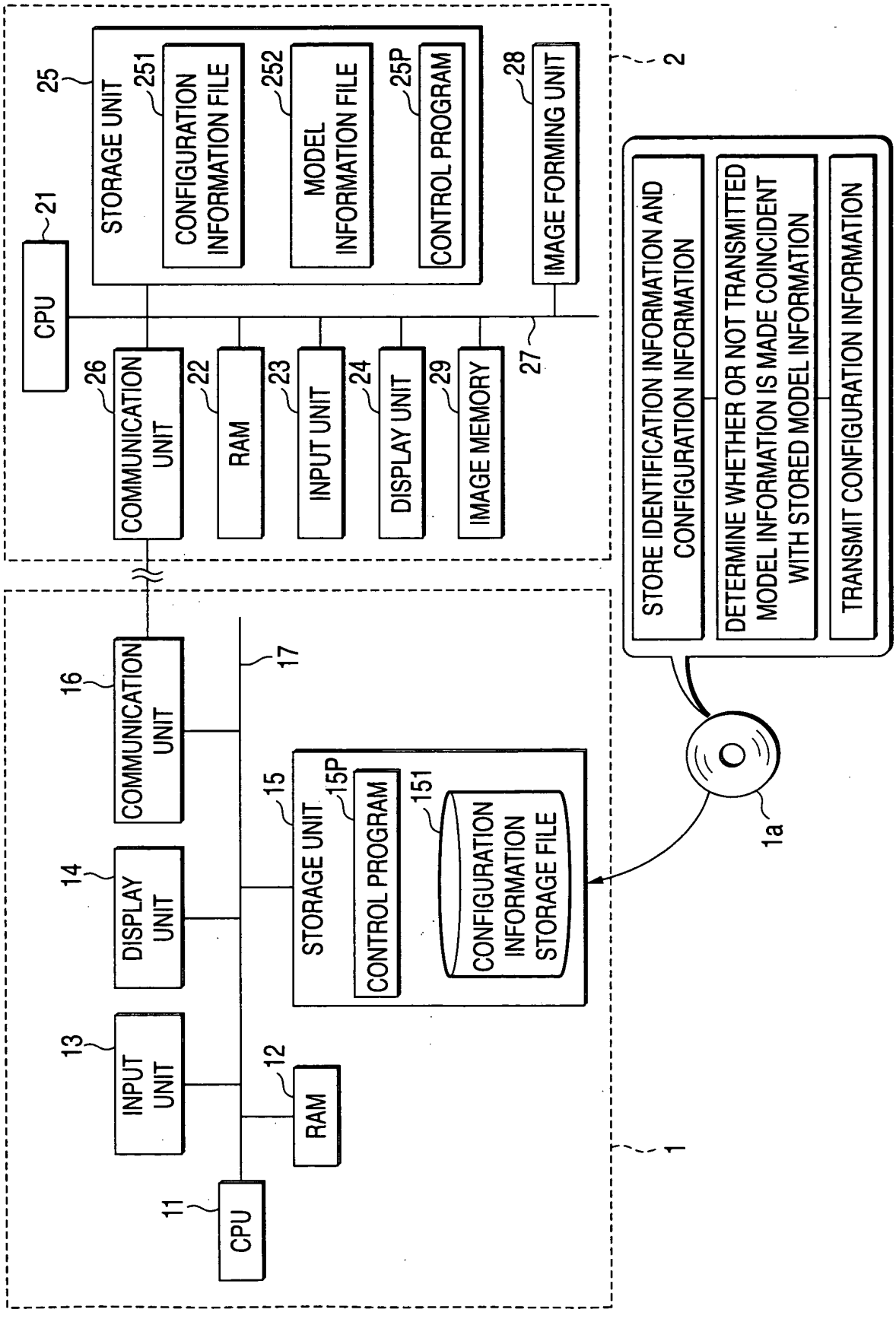

COMPUTER
PRINTER
3
S111
RECEIVE MODEL INFORMATION AND EDITED CONFIGURATION INFORMATION
S112
READ OUT MODEL INFORMATION
S113
RECEIVED MODEL INFORMATION IS MADE COINCIDENT WITH READ MODEL INFORMATION?
NO
YES
S114
TRANSMIT INFORMATION INDICATING THAT MODEL INFORMATION IS DIFFERENT
S115
STORE CONFIGURATION INFORMATION
END

FIG. 12


1
2
1a
CPU
11
RAM
12
INPUT UNIT
13
DISPLAY UNIT
14
STORAGE UNIT
15
CONTROL PROGRAM
15P
CONFIGURATION INFORMATION STORAGE FILE
151
COMMUNICATION UNIT
16
17
CPU
21
STORAGE UNIT
25
CONFIGURATION INFORMATION FILE
251
MODEL INFORMATION FILE
252
CONTROL PROGRAM
25P
IMAGE FORMING UNIT
28
COMMUNICATION UNIT
26
RAM
22
INPUT UNIT
23
DISPLAY UNIT
24
IMAGE MEMORY
29
27
STORE IDENTIFICATION INFORMATION AND CONFIGURATION INFORMATION
DETERMINE WHETHER OR NOT TRANSMITTED MODEL INFORMATION IS MADE COINCIDENT WITH STORED MODEL INFORMATION
TRANSMIT CONFIGURATION INFORMATION